

Application No. 10/005,532 Customer No. 01933  
Response to Office Action

Listing of Claims:

Claims 1 and 2 (Canceled).

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3. (Previously Presented) A disk inspection apparatus for irradiating an inspection light on a surface of a rotating disk and inspecting surface conditions of the disk based on a reflected light, said disk inspection apparatus comprising:

5 a turning table for rotating the disk;  
a photosensor body disposed opposite to the surface of the disk; and

a transfer means for reciprocally transferring the photosensor body in a direction perpendicular to a rotating  
10 direction of the disk along the surface of the disk;

wherein the photosensor body comprises a fiber array constructed by arranging a plurality of separate sensor units as multi-channels, and

wherein each of the sensor units comprises:

15 a light-applying fiber,  
a light-receiving fiber which is bundled with the light-applying fiber to form a fiber bundle,  
a laser beam source to emit the inspection light to the light-applying fiber,

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a photosensor to receive the reflected light via the light-receiving fiber, and

an objective optical system provided at a front end of the fiber bundle.

4. (Previously Presented) The disk inspection apparatus according to Claim 3, wherein a plurality of the fiber arrays are arranged in plural lines in a state such that phases of adjacent fiber arrays are shifted.